Fig. 4

Enumerate all Identifiers in the Global Scope — 402

For Next Object , — 404

Is Media? — 406

Y → Assign Media Pointer — 408

N

Is Function? — 410

Y → Closure? — 412

Y → Transform Inner Functions & record — 414

Fuction ID'd? — 416

→ Create Function Pointer & Record — 418

Create Function ID — 420

→ Create FID Table Entry and Pointer, Record — 422

N

Class Already Serialized? — 424

Y →

N

For Enumeration N +1, Determine Each slot value — 432

→ Attach Class

Record Description of Enumeration N+1 including SID

Another Enumeration — 434

436

Done

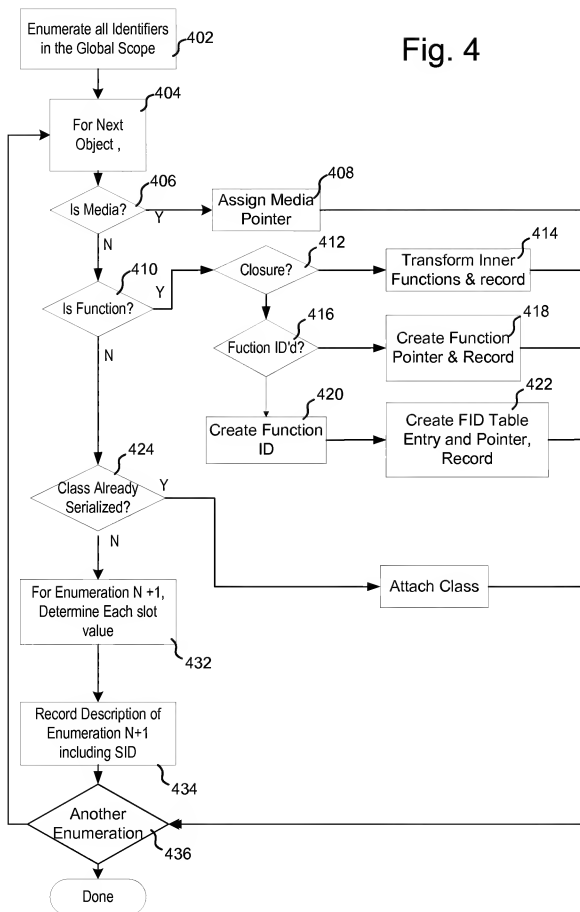# Fig. 5

600

```
<_root width="2039.5" height="1186.85" >\par
  <m n="m4" y="57" xscale="830" yscale="516" depth="20" link="LzMask"
>\par
  <m n="mask_sub" xscale="12.0481927710843" yscale="19.3798449612403"
depth="contained" link="contained" >\par
  <m n="belowmask" depth="11" link="empty" >\par
  <m n="m0" visible="false" depth="10" link="empty" >\par
  <m n="m2" depth="14" link="empty" >\par
  <m n="m2" x="-21" y="-1" depth="14" link="empty" >\par
  <m n="m1" depth="12" link="ibutton_icon" >\par
</m>\par
```
602
604
606

⋮

```
<o n="_root" m="_level0" sid="0" x="true" >
  <b n="haveparrefs" v="true" />
  <b n="havemyrefs" v="true" />
  <n n="s" v="-1" />
  <s n="k" v="advancetable" />
  <s n="_Copyright" v="Portions of this file are copyright  (c ) 2001-
2003 by Laszlo Systems, Inc .  All rights reserved ." />
  <c n="LzSerializer" t="object" d="true" sid="" />
  <n n="__dbg_objseq" v="1" />
  <n n="_dbg_objseq" v="0" />
  <b n="_dbg_insideUndefinedMethod" v="false" />
  <b n="_dbg_insideNotFunction" v="false" />
  <b n="_dbg_insideUndefinedVariable" v="false" />
  <b n="_dbg_insideUndef2" v="false" />
  <b n="_dbg_insideUndef1" v="false" />
  <b n="_dbg_log_all_writes" v="false" />
  <b n="_dbg_isLoading" v="true" />
  <s n="_dbg_saved_msgs" v="" />
  <s n="krank" v="true" />
  <s n="lzt" v="swf" />
  <s n="$version" v="WIN 7,0,14,0" />
  <o n="frameupdate" m="_level0 .frameupdate" sid="1" >
    <n n="s" v="-1" />
    <n n="i" v="3" />
  </o>
  <o n="lzpreloader" m="_level0 .lzpreloader" sid="2" >
    <s n="p" v="height" />
    <s n="name" v="splash" />
    <b n="hideafterinit" v="true" />
    <n n="ht" v="600" />
    <n n="wd" v="830" />
    <s n="heartbeat" v="" />
    <o n="_heartbeat" m="_level0 .lzpreloader ._heartbeat" sid="3" >
```
608
610
612
614

Fig. 6A

```
calendar.lzx
<!-- Copyright 2002-2003 Laszlo Systems, Inc.  -->
                    -->
<canvas title="Laszlo Calendar" bgcolor="#1E3A49" width="830" height="600">
```
702
```
    <include href="cal-button.lzx">
    <include href="resources.lzx">

    <!-- INCLUDES -->
    <include href="vscrollbar.lzx">
              ⋮
```

Fig. 6B

⋮

```
    <class name="calButton" clickable="true">
        <attribute name="label" value="" type="string">
        <attribute name="icon" value="" type="string">
        <attribute name="divider" value="3" type="number">
        <attribute name="leftcap" value="oval" type="string">
        <attribute name="rightcap" value="oval" type="string">
        <attribute name="leftinset" value="0">
        <attribute name="rightinset" value="0">
        <attribute name="yoffset" value="2" type="number">
        <attribute name="normalRsrcNumber" value="1" type="number">
        <attribute name="overRsrcNumber" value="2" type="number">
        <attribute name="downRsrcNumber" value="3" type="number">
        <attribute name="deselectRsrcNumber" value="4" type="number">
        <attribute name="width" onset="this.widthSetter(width);">
        <attribute name="keepinitialwidth" value="false">
        <attribute name="enabled" value="true">
        <attribute name="mouseisdown" value="false">
                      ⋮
```

Fig. 7

```
802 ─── <o n="1" sid="906" >
804 ─── <s n="name" v="calButton" />
806 ─── <o n="attrs" sid="907" >
           <b n="clickable" v="true" />
           <s n="icon" v="iconWeek" />
           <s n="label" v="week" />
810 ┤      <s n="leftcap" v="shear" />
           <s n="rightcap" v="shear" />
           <n n="textwidth" v="27" />
           <o n="events" sid="908" >
            <o n="onclick" FID="calendar_lzx$105_76_onclick_event" >
             <s n="name" v="calendar_lzx$105_76_onclick_event" />
             <o n="prototype" sid="910" >
              <o n="constructor" FID="calendar_lzx$105_76_onclick_event" />
             </o>
            </o>
           </o>
           <o n="__proto__" r="903" />
          </o>
         </o>
820 ─── <o n="2" sid="911" >
           <s n="name" v="calButton" />
822 ─── <o n="attrs" sid="912" >
           <b n="clickable" v="true" />
           <s n="icon" v="iconMonth" />
           <s n="label" v="month" />
           <s n="leftcap" v="shear" />
           <n n="textwidth" v="31" />
824 ─── <o n="events" sid="913" >
            <o n="onclick" FID="calendar_lzx$107_82_onclick_event" >
             <s n="name" v="calendar_lzx$107_82_onclick_event" />
             <o n="prototype" sid="915" >
              <o n="constructor" FID="calendar_lzx$107_82_onclick_event" />
             </o>
            </o>
           </o>
          </o>
```

```
  • • •
<o n="constructor" FID=""core/LzNode.as"#17/11()9"  sid="739" >
     • • •
 <s n="classname" v="LzAnimator" />
       • • •
  <o n="proto" sid="740" >                              Fig. 8
   <n n="endPoleDelta" v="0.25" />
   <n n="beginPoleDelta" v="0.25" />
   <o n="class" r="739" />
   <s n="classname" v="LzAnimator" />
   <o n="_sPrototypeRef" r="740" />
   <o n="setters" sid="741" >
    <s n="to" v="setTo" />
    <s n="motion" v="setMotion" />
    <o n="__proto__" sid="742" >
     <s n="start" v="setStart" />
     <s n="ease" v="setEase" />
     <o n="__proto__" r="166" />
    </o>
   </o>
   <o n="getters" sid="743" >
    <o n="__proto__" sid="744" >
     <o n="__proto__" r="168" />
    </o>
   </o>
   <o n="defaultattrs" r="585" />
   <o n="_super" sid="745" >
    <b n="start_oninit" v="true" />
    <s n="classname" v="LzAnimatorGroup" />
    <o n="_sPrototypeRef" r="745" />
    <o n="class" FID=""core/LzNode.as"#17/11()9"  sid="746" >
     <o n="makeDefaultConstructor" FID=""core/LzNode.as"#17/11" />
     <o n="isExtendedBy" FID="LzNode.isExtendedBy" />
     <s n="classname" v="LzAnimatorGroup" />
     <s n="name" v="core/LzNode.as"#17/11()9" />
     <o n="proto" r="745" />
     <o n="prototype" r="745" />
    </o>
    <o n="setters" r="742" />
    <o n="getters" r="744" />
    <o n="defaultattrs" r="586" />
    <o n="_super" r="169" />
    <o n="initialize" FID="LzAnimatorGroup.prototype.initialize" >
     <s n="name" v="LzAnimatorGroup.prototype.initialize" />
     <o n=")4proto" sid="748" >
     </o>
     <o n="prototype" sid="749" >
      <o n="constructor" FID="LzAnimatorGroup.prototype.initialize" />
     </o>
    </o>
    <o n="init" FID="LzAnimatorGroup.prototype.init" >
     <s n="name" v="LzAnimatorGroup.prototype.init" />
     <o n="prototype" sid="751" >
      <o n="constructor" FID="LzAnimatorGroup.prototype.init" />
     </o>
    </o>
    <o n="setStart" FID="LzAnimatorGroup.prototype.setStart" >
     <s n="name" v=LzAnimatorGroup.prototype.setStart" />
     <o n="prototype" sid="753" >
      <o n="constructor" FID="LzAnimatorGroup.prototype.setStart" />
     </o>
    </o>

     • • •
```

902

904

906

908

910